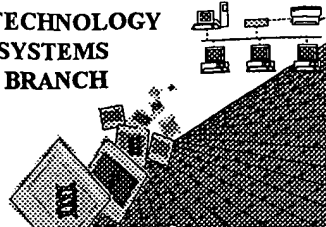


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BIOTECHNOLOGY
SYSTEMS
BRANCH



1636

#9

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/660,302A
Source: 1600
Date Processed by STIC: 2/26/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



Does Not Comply
Corrected Diskette Needed

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/660,302A

DATE: 02/26/2002 *Some errors repeated*
TIME: 14:18:22

Input Set : A:\EP.txt
Output Set: N:\CRF3\02262002\I660302A.raw

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

1 <110> APPLICANT: Universiteit Utrecht
2 Strous, Gerardus
3 Van Kerkhof, Petrus
4 Govers, Roland
W--> 5 <120> TITLE OF INVENTION: CONTROLLING AVAILABILITY OR ACTIVITY OF PROTEINS BY USE OF
PROTEASE
W--> 6 INHIBITORS OR RECEPTOR FRAGMENTS
W--> 7 <130> FILE REFERENCE: 2183-4525US
W--> 8 <140> CURRENT APPLICATION NUMBER: Filed concurrently with applicationA
C--> 9 <141> CURRENT FILING DATE: 2000-08-12
10 <150> PRIOR APPLICATION NUMBER: PCT/NL99/00136
11 <151> PRIOR FILING DATE: 1999-03-12
12 <150> PRIOR APPLICATION NUMBER: EP98200799.9
13 <151> PRIOR FILING DATE: 1998-03-12
W--> 14 <160> NUMBER OF SEQ ID: 50
16 <170> SOFTWARE: PatentIn version 3.0
W--> 17 <210> SEQ ID NO: 1
18 <211> LENGTH: 8
19 <212> TYPE: PRT
20 <213> ORGANISM: Unknown organism
W--> 21 <220> FEATURE: Binding polypeptide motif
W--> 21 <220> FEATURE: Binding polypeptide motif
22 <221> NAME/KEY: Binding
23 <222> LOCATION: (1)..(8)
24 <223> OTHER INFORMATION: Residues 1, 5-6 and 8 can be any amino acid
W--> 25 <220> FEATURE: Binding polypeptide motif
W--> 25 <220> FEATURE: Binding polypeptide motif
W--> 26 <221> NAME/KEY: E
27 <222> LOCATION: (2)..(2)
28 <223> OTHER INFORMATION: The amino acid E (glutamic acid can be replaced by D
W--> 29 <220> FEATURE: Binding polypeptide motif
W--> 29 <220> FEATURE: Binding polypeptide motif
W--> 30 <221> NAME/KEY: F
31 <222> LOCATION: (3)..(3)
32 <223> OTHER INFORMATION: The amino acid F can be replaced by Y
W--> 33 <220> FEATURE: Binding polypeptide motif
W--> 33 <220> FEATURE: Binding polypeptide motif
W--> 34 <221> NAME/KEY: I
35 <222> LOCATION: (4)..(4)
36 <223> OTHER INFORMATION: The amino acid I can be replaced by L, V or F
W--> 37 <220> FEATURE: Binding polypeptide motif
W--> 37 <220> FEATURE: Binding polypeptide motif
W--> 38 <221> NAME/KEY: D
39 <222> LOCATION: (8)..(8)

Formatting error: <220> must be left blank

belongs in <223>

Same error

must be represented
by Xaa only

Same formatting error

Xaa only

Same formatting error

Xaa only

Same formatting error

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/660,302A

DATE: 02/26/2002
TIME: 14:18:22

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\I660302A.raw

*- must be represented
by Xaa only*

```

40 <223> OTHER INFORMATION: The amino acid D can be replaced by E
W--> 41 <400> SEQUENCE: 1
W--> 42 Xaa Glu Phe Ile Xaa Xaa Asp Xaa
43 1 5
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 12
47 <212> TYPE: PRT
48 <213> ORGANISM: Unknown Organism
W--> 49 <220> FEATURE: Growth hormone receptor binding motif
W--> 49 <220> FEATURE: Growth hormone receptor binding motif
50 <221> NAME/KEY: Binding
51 <222> LOCATION: (321)...(332)
52 <223> OTHER INFORMATION: Binds to hormone receptor and ubiquitin
W--> 53 <400> SEQUENCE: 2
54 Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
55 1 5 10
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 10
59 <212> TYPE: PRT
60 <213> ORGANISM: Unknown Organism
W--> 61 <220> FEATURE: Growth hormone receptor binding motif
W--> 61 <220> FEATURE: Growth hormone receptor binding motif
62 <221> NAME/KEY: Binding
63 <222> LOCATION: (322)...(333)
64 <223> OTHER INFORMATION: Binds to hormone receptor and ubiquitin
W--> 65 <400> SEQUENCE: 3
66 Asp Ser Trp Val Glu Phe Ile Glu Leu Asp
67 1 5 10
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 129
71 <212> TYPE: PRT
72 <213> ORGANISM: Unknown organism
W--> 73 <220> FEATURE: Synthetic peptide
W--> 73 <220> FEATURE: Synthetic peptide
74 <221> NAME/KEY: Binding
75 <222> LOCATION: Derived from protein receptor
76 <223> OTHER INFORMATION: Up-regulates GH activity
W--> 77 <400> SEQUENCE: 4
78 Ser Lys Gln Gln Arg Ile Lys Met Leu Ile Leu Pro Pro Val Pro Val
79 1 5 10 15
80 Pro Lys Ile Lys Gly Ile Asp Pro Asp Leu Leu Lys Glu Gly Lys Leu
81 20 25 30
82 Glu Glu Val Asn Thr Ile Leu Ala Ile His Asp Ser Tyr Lys Pro Glu
83 35 40 45
84 Phe His Ser Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile Asp
85 50 55 60
86 Glu Pro Asp Glu Lys Thr Glu Glu Ser Asp Thr Asp Leu Leu Ser Ser
87 65 70 75 80
88 Asp His Glu Lys Ser His Ser Asn Leu Gly Val Lys Asp Gly Asp Ser

```

*- Same
formatting error*

*- Same
formatting error*

- same formatting error

RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/09/660,302A

TIME: 14:18:22

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\I660302A.raw

```

89          85          90          95
90 Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu Glu Thr Asp Phe Asn
91          100          105          110
92 Ala Asn Asp Ile His Glu Gly Thr Ser Glu Val Ala Gln Pro Gln Arg
93          115          120          125
94 Leu
96 <210> SEQ ID NO: 5
97 <211> LENGTH: 38
98 <212> TYPE: PRT
99 <213> ORGANISM: Unknown organism
W--> 100 <220> FEATURE: Synthetic peptide
W--> 100 <220> FEATURE: Synthetic peptide
101 <221> NAME/KEY: Binding
102 <222> LOCATION: Derives from protein receptor
103 <223> OTHER INFORMATION: Up-regulates GH activity
W--> 104 <400> SEQUENCE: 5
105 Lys Asp Gly Asp Ser Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu
106 1          5          10          15
107 Glu Thr Asp Phe Asn Ala Asn Phe Ile His Glu Gly Thr Ser Glu Val
108          20          25          30
109 Ala Gln Pro Gln Arg Leu
110          35
112 <210> SEQ ID NO: 6
113 <211> LENGTH: 10
114 <212> TYPE: PRT
115 <213> ORGANISM: Unknown organism
W--> 116 <220> FEATURE: Glut4 Ins-regulated glucose transporter binding motif
W--> 116 <220> FEATURE: Glut4 Ins-regulated glucose transporter binding motif
117 <221> NAME/KEY: Binding
118 <222> LOCATION: Derived from protein receptor
119 <223> OTHER INFORMATION: Binds to ubiquitin/proteasome system binding site
W--> 120 <400> SEQUENCE: 6
121 Thr Glu Leu Glu Tyr Leu Gly Pro Asp Glu
122 1          5          10
124 <210> SEQ ID NO: 7
125 <211> LENGTH: 7
126 <212> TYPE: PRT
127 <213> ORGANISM: Unknown organism
W--> 128 <220> FEATURE: Binding poly-peptide motif
W--> 128 <220> FEATURE: Binding poly-peptide motif
129 <221> NAME/KEY: Binding
130 <222> LOCATION: Derived from protein receptor
131 <223> OTHER INFORMATION: Binds to ubiquitin/proteasome system binding site
W--> 132 <400> SEQUENCE: 7
133 Cys Glu Glu Asp Phe Tyr Arg
134 1          5
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 10
138 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/09/660,302A

TIME: 14:18:22

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\I660302A.raw

```

139 <213> ORGANISM: GHR sequence (human, rabbit)
W--> 140 <400> SEQUENCE: 8
141 Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
142 1 5 10
144 <210> SEQ ID NO: 9
145 <211> LENGTH: 10
146 <212> TYPE: PRT
147 <213> ORGANISM: GHR chicken
W--> 148 <400> SEQUENCE: 9
149 Leu Trp Val Glu Phe Ile Glu Leu Asp Ile
150 1 5 10
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 10
154 <212> TYPE: PRT
155 <213> ORGANISM: prolactin receptor, human
W--> 156 <400> SEQUENCE: 10
157 Leu Leu Val Glu Tyr Leu Glu Val Asp Asp
158 1 5 10
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 10
162 <212> TYPE: PRT
163 <213> ORGANISM: prolactin receptor, rabbit, rat, mouse
W--> 164 <400> SEQUENCE: 11
165 Leu Leu Val Glu Phe Leu Glu Asn Asp Asp
166 1 5 10
168 <210> SEQ ID NO: 12
169 <211> LENGTH: 10
170 <212> TYPE: PRT
171 <213> ORGANISM: Ca++ channel
W--> 172 <400> SEQUENCE: 12
173 Asp Asn Val Asp Tyr Leu Thr Arg Asp Trp
174 1 5 10
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: FGF Receptor Family
W--> 180 <400> SEQUENCE: 13
181 Gln Ala Ala Glu Tyr Leu Arg Ser Glu Thr
182 1 5 10
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 10
186 <212> TYPE: PRT
187 <213> ORGANISM: Transmembrane receptor sex precursor
W--> 188 <400> SEQUENCE: 14
189 Ile Asp Ala Glu Tyr Ile Ser Ala Glu Arg
190 1 5 10
192 <210> SEQ ID NO: 15
193 <211> LENGTH: 10
194 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/09/660,302A

TIME: 14:18:22

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\I660302A.raw

195 <213> ORGANISM: IgE Receptor
W--> 196 <400> SEQUENCE: 15
197 Leu Lys Gly Glu Phe Ile Trp Val Asp Gly
198 1 5 10
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 10
202 <212> TYPE: PRT
203 <213> ORGANISM: ANGIOTENSIN CONVERTING ENZYME
W--> 204 <400> SEQUENCE: 16
205 Tyr Gly Ser Glu Tyr Ile Asn Leu Asp Gly
206 1 5 10
208 <210> SEQ ID NO: 17
209 <211> LENGTH: 10
210 <212> TYPE: PRT
211 <213> ORGANISM: POTASSIUM CHANNEL IRK
W--> 212 <400> SEQUENCE: 17
213 Ser Glu Gly Glu Tyr Ile Pro Leu Asp Gln
214 1 5 10
216 <210> SEQ ID NO: 18
217 <211> LENGTH: 10
218 <212> TYPE: PRT
219 <213> ORGANISM: PDGF RECEPTOR ALPHA-CHAIN
W--> 220 <400> SEQUENCE: 18
221 Asp Gly His Glu Tyr Ile Tyr Val Asp Pro
222 1 5 10
224 <210> SEQ ID NO: 19
225 <211> LENGTH: 10
226 <212> TYPE: PRT
227 <213> ORGANISM: PDGF RECEPTOR BETA-CHAIN
W--> 228 <400> SEQUENCE: 19
229 Asp Gly His Glu Tyr Ile Tyr Val Asp Pro
230 1 5 10
232 <210> SEQ ID NO: 20
233 <211> LENGTH: 10
234 <212> TYPE: PRT
235 <213> ORGANISM: Ca++ -channel
W--> 236 <400> SEQUENCE: 20
237 Asp Asn Phe Glu Tyr Leu Thr Arg Asp Ser
238 1 5 10
240 <210> SEQ ID NO: 21
241 <211> LENGTH: 10
242 <212> TYPE: PRT
243 <213> ORGANISM: Cl- CHANNEL CLC7
W--> 244 <400> SEQUENCE: 21
245 Lys Ile Phe Glu Tyr Leu Arg Arg Asp Thr
246 1 5 10
248 <210> SEQ ID NO: 22
249 <211> LENGTH: 10
250 <212> TYPE: PRT

VERIFICATION SUMMARY

DATE: 02/26/2002

PATENT APPLICATION: US/09/660,302A

TIME: 14:18:24

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\I660302A.raw

L:5 M:283 W: Missing Blank Line separator, <120> field identifier
L:7 M:283 W: Missing Blank Line separator, <130> field identifier
L:8 M:283 W: Missing Blank Line separator, <140> field identifier
L:8 M:270 C: Current Application Number differs, Replaced Current Application Number
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:14 M:283 W: Missing Blank Line separator, <160> field identifier
L:17 M:283 W: Missing Blank Line separator, <210> field identifier
L:21 M:283 W: Missing Blank Line separator, <220> field identifier
L:21 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:25 M:283 W: Missing Blank Line separator, <220> field identifier
L:25 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:26 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:29 M:283 W: Missing Blank Line separator, <220> field identifier
L:29 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:30 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:33 M:283 W: Missing Blank Line separator, <220> field identifier
L:33 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:34 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:37 M:283 W: Missing Blank Line separator, <220> field identifier
L:37 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:38 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:41 M:283 W: Missing Blank Line separator, <400> field identifier
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:49 M:283 W: Missing Blank Line separator, <220> field identifier
L:49 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:53 M:283 W: Missing Blank Line separator, <400> field identifier
L:61 M:283 W: Missing Blank Line separator, <220> field identifier
L:61 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:65 M:283 W: Missing Blank Line separator, <400> field identifier
L:73 M:283 W: Missing Blank Line separator, <220> field identifier
L:73 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:77 M:283 W: Missing Blank Line separator, <400> field identifier
L:100 M:283 W: Missing Blank Line separator, <220> field identifier
L:100 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:104 M:283 W: Missing Blank Line separator, <400> field identifier
L:116 M:283 W: Missing Blank Line separator, <220> field identifier
L:116 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:120 M:283 W: Missing Blank Line separator, <400> field identifier
L:128 M:283 W: Missing Blank Line separator, <220> field identifier
L:128 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:132 M:283 W: Missing Blank Line separator, <400> field identifier
L:140 M:283 W: Missing Blank Line separator, <400> field identifier
L:148 M:283 W: Missing Blank Line separator, <400> field identifier
L:156 M:283 W: Missing Blank Line separator, <400> field identifier
L:164 M:283 W: Missing Blank Line separator, <400> field identifier
L:172 M:283 W: Missing Blank Line separator, <400> field identifier
L:180 M:283 W: Missing Blank Line separator, <400> field identifier
L:188 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY

DATE: 02/26/2002

PATENT APPLICATION: US/09/660,302A

TIME: 14:18:24

Input Set : A:\EP.txt

Output Set: N:\CRF3\02262002\I660302A.raw

L:196 M:283 W: Missing Blank Line separator, <400> field identifier
L:204 M:283 W: Missing Blank Line separator, <400> field identifier
L:212 M:283 W: Missing Blank Line separator, <400> field identifier
L:220 M:283 W: Missing Blank Line separator, <400> field identifier
L:228 M:283 W: Missing Blank Line separator, <400> field identifier
L:236 M:283 W: Missing Blank Line separator, <400> field identifier
L:244 M:283 W: Missing Blank Line separator, <400> field identifier
L:252 M:283 W: Missing Blank Line separator, <400> field identifier
L:260 M:283 W: Missing Blank Line separator, <400> field identifier
L:268 M:283 W: Missing Blank Line separator, <400> field identifier
L:276 M:283 W: Missing Blank Line separator, <400> field identifier
L:284 M:283 W: Missing Blank Line separator, <400> field identifier
L:292 M:283 W: Missing Blank Line separator, <400> field identifier
L:300 M:283 W: Missing Blank Line separator, <400> field identifier
L:308 M:283 W: Missing Blank Line separator, <400> field identifier
L:316 M:283 W: Missing Blank Line separator, <400> field identifier
L:324 M:283 W: Missing Blank Line separator, <400> field identifier
L:331 M:283 W: Missing Blank Line separator, <400> field identifier
L:339 M:283 W: Missing Blank Line separator, <400> field identifier
L:347 M:283 W: Missing Blank Line separator, <400> field identifier
L:476 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:50
L:480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50